

FIG. IC

CRAFTSMAH

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: 5
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. 61

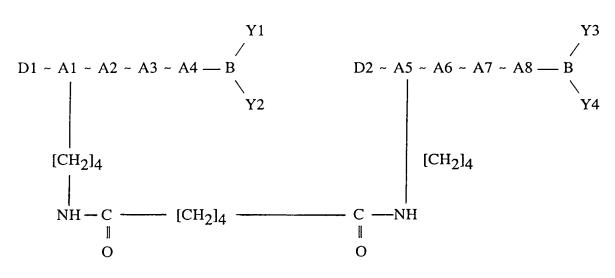


FIG. ID

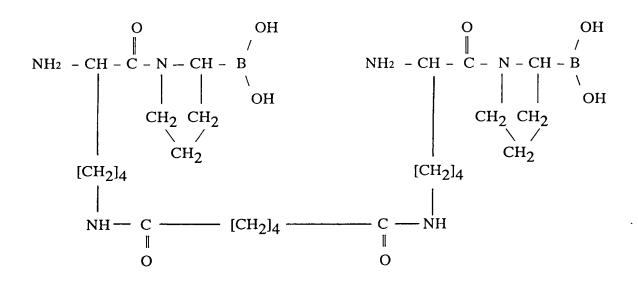


FIG. IE

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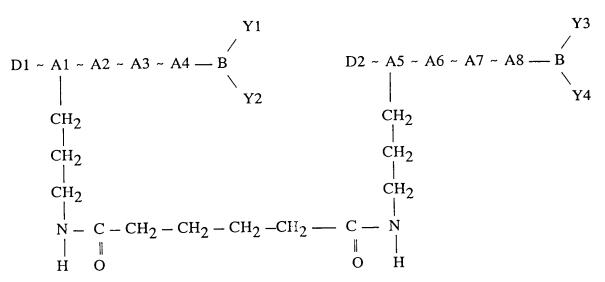


FIG.IF

FIG. IG

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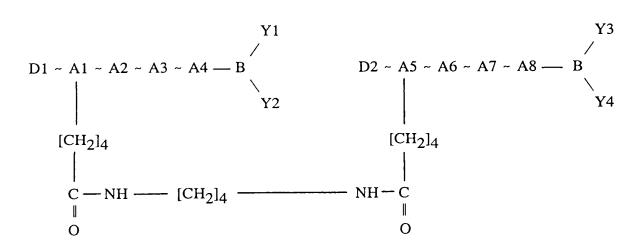


FIG. 1H

O OH O OH OH NH2 - CH - C - N - CH - B NH2 - CH - C - N - CH - B NH2 - CH - C - N - CH - B CH2 CH2 OH 
$$\begin{bmatrix} CH_2 \end{bmatrix}_2$$
  $CH_2$   $CH_2$ 

FIG. II

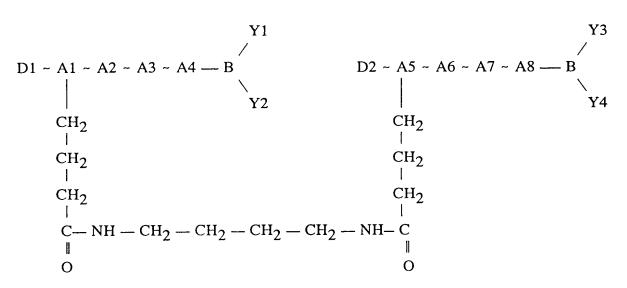
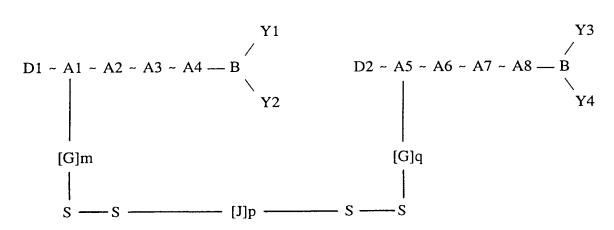


FIG.IJ



m, p, q = 1-50

FIG. IK

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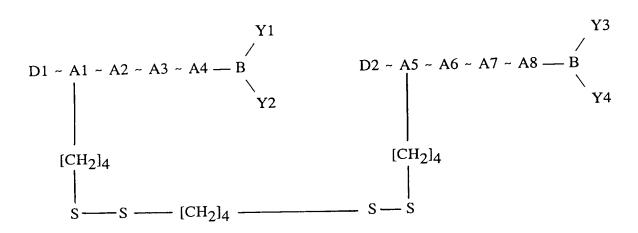


FIG. IL

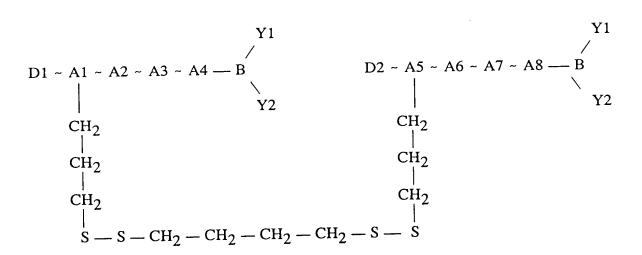


FIG.IM

DRAFTSMAH

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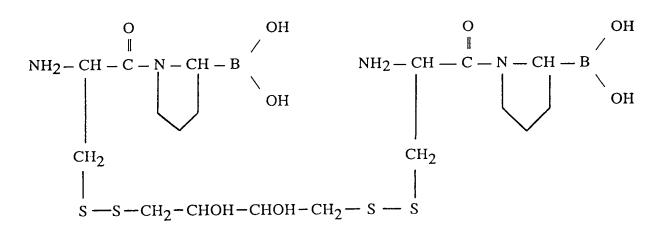


FIG.IN

**Y3** 

**Y4** 

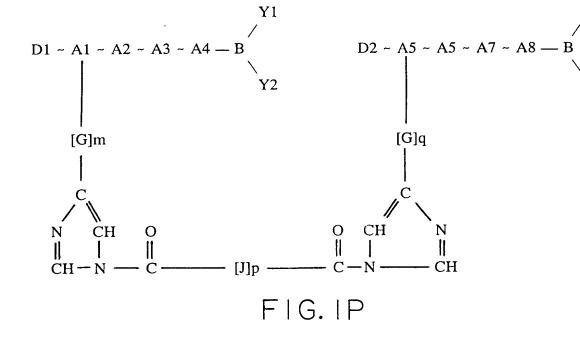
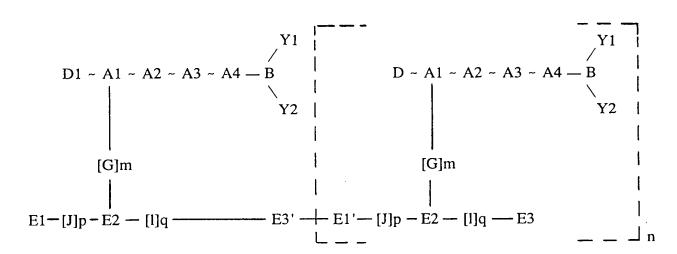


FIG. IQ





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 $R - E3 + E1 - R' \rightarrow R - E3' - E1' - R' + F$ 

 $F = 2H^+ + 2e^-$ ,  $H_2O$ , or other byproduct

R & R' = remainder of molecules not relevant to the reaction

FIG. IR

Y1	Y2		
D ~ A1 ~ A2 ~ A3 ~ A4 — B		(CH <sub>2</sub> ) <sub>4</sub>	C —NH
Y1 / D - A1 - A2 - A3 - A4 — B	, Y2		= 0 (CH <sub>2</sub> ) <sub>3</sub>
Y1	$\begin{array}{ccc} & & &   & & \\ & & &   & & \\ & & & & Y2 & (CH_2)_4 & & \\ & & & &   & & \\ & & & &   & & \\ & & & &$	-N 	0 = 0 
) D ~ A1 ~ A2 ~A3 ~ A4 — B		$(\mathrm{CH}_2)_4$	$\frac{1}{1}$ NH $-$ C $-$ (CH <sub>2</sub> ) <sub>3</sub> ·

F16.15

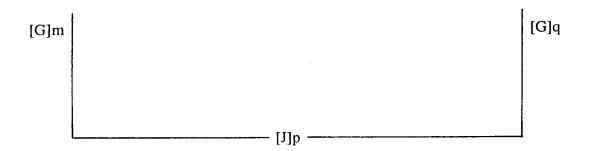


FIG. IT

FIG.IU

FIG. IV

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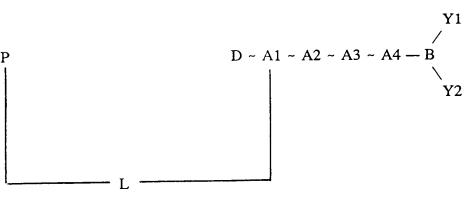
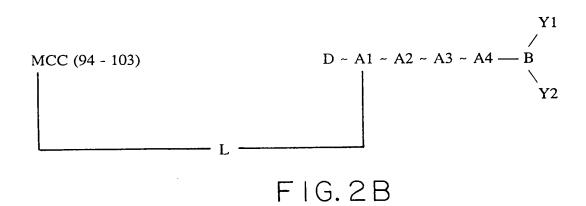


FIG. 2A



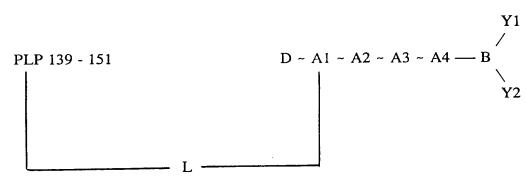


FIG.2C

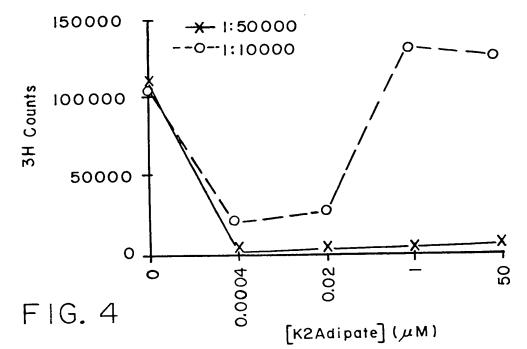
$$Z-NH-C-C-N$$
 $C+2)_4$ 
 $C+2)_4$ 
 $C+2$ 
 $C+2$ 
 $C+3$ 
 $C+3$ 

$$^{+}$$
  $^{+}$   $^{0}$   $^{+}$   $^{0}$ 

Adipoyl (Lys-boro Pro)or Dimeric Lys-boro Pro

F16.3





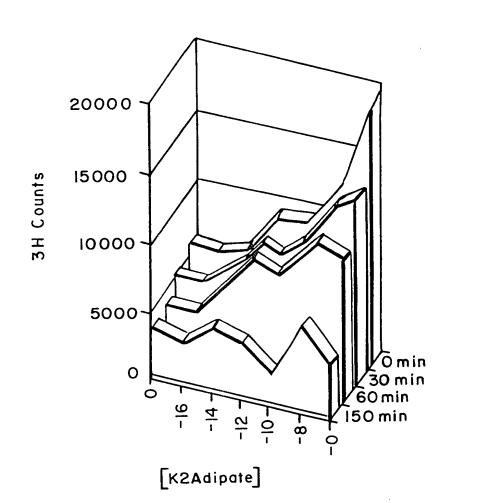


FIG.5

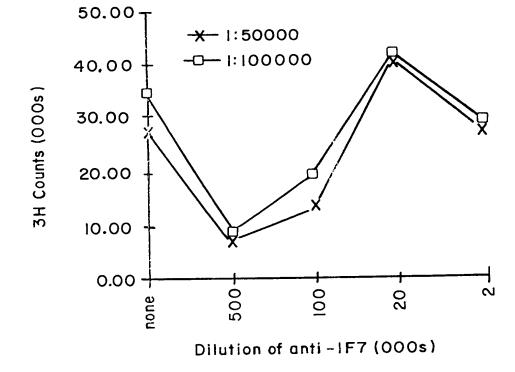
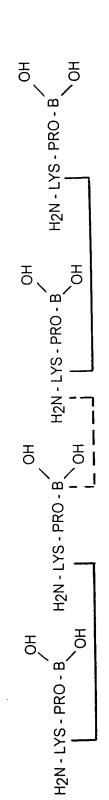
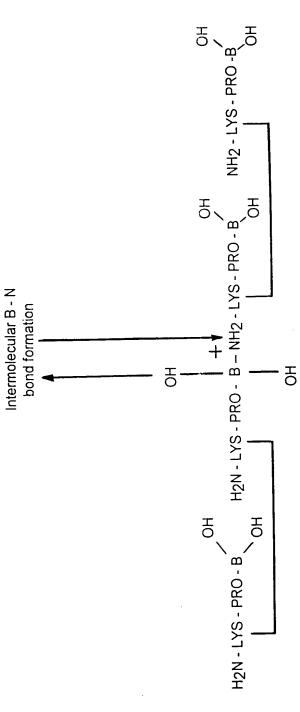


FIG.6

HSLGKWLGHPDKF
$$(Ala)_{6} \xrightarrow{\text{H}} (Ala)_{6} \xrightarrow{\text{$$

F I G. 8





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DRAFTSMAN !

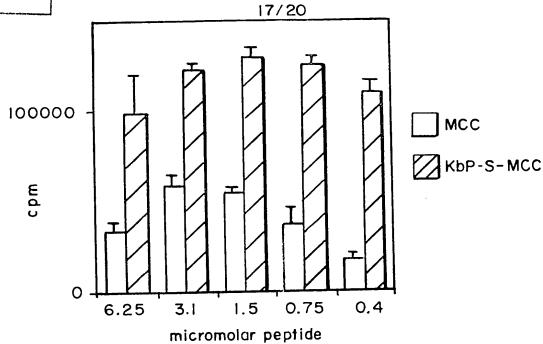
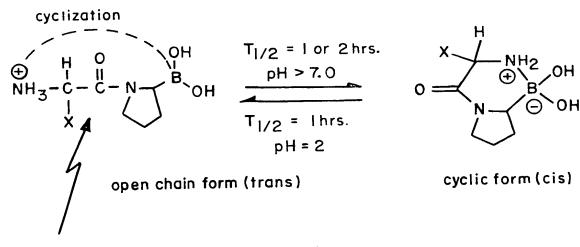


FIG. 9

Conformational Equilibrium of Xaa - boroproline Inhibitors



cis configuration is needed for cyclization

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 $\begin{array}{c} H \\ \downarrow \\ N-A1-C = C-A4-B \\ \downarrow \\ OH \end{array}$ 

$$\begin{array}{c} F \\ \downarrow \\ H2N-A1-C=C-C-B \\ \downarrow \\ OH \end{array}$$

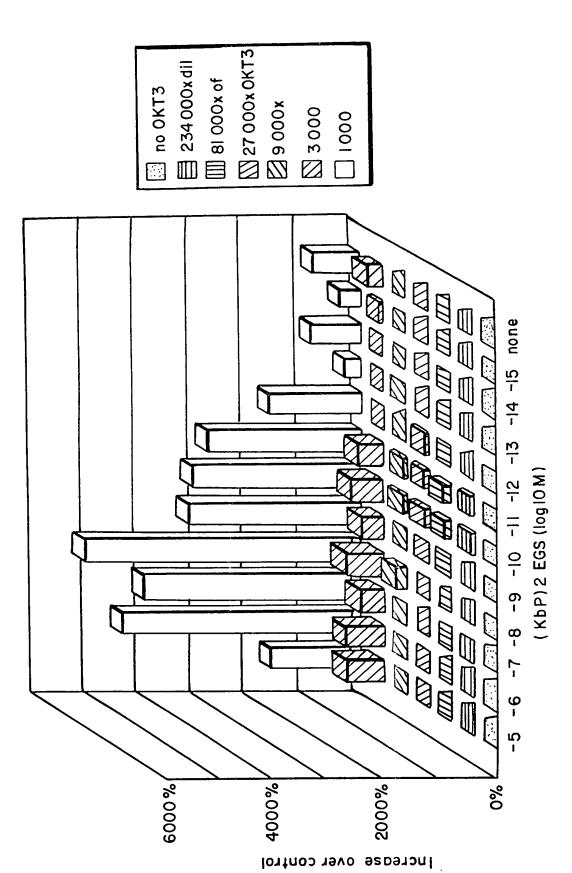
$$\frac{1}{100}$$
  $\frac{1}{100}$   $\frac{1}$ 

НО

H2N - A1 C = C - CH - B

P

FIG. IID



F16, 12

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## (KbP)2 EGS

EGS: Ethylene glycolbis ( succinimidylsuccinate )

F I G. 13